

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT4412742

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
SHILPA NAGARAJU	05/09/2017
MICHAEL KOEPKE	05/09/2017
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	LANZATECH NEW ZEALAND LIMITED
<b>Street Address:</b>	8045 LAMON AVENUE, SUITE 400
<b>City:</b>	SKOKIE
<b>State/Country:</b>	ILLINOIS
<b>Postal Code:</b>	60077
<b>PROPERTY NUMBERS Total: 2</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	15422695
<b>PCT Number:</b>	US1719552
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(847)324-2399
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.</i>	
<b>Phone:</b>	8473242446
<b>Email:</b>	ip@lanzatech.com
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<b>Address Line 4:</b>	SKOKIE, ILLINOIS 60077
<b>ATTORNEY DOCKET NUMBER:</b>	LT122US1
<b>NAME OF SUBMITTER:</b>	ROSE NAGEL
<b>SIGNATURE:</b>	/Rose Nagel/
<b>DATE SIGNED:</b>	05/14/2017
This document serves as an Oath/Declaration (37 CFR 1.63).	
<b>Total Attachments: 2</b>	
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## ASSIGNMENT

Whereas, the undersigned inventor(s) (hereinafter individually and collectively referred to as "Assignor") has/have invented new and useful improvements in:

### CRISPR/CAS SYSTEMS FOR C1-FIXING BACTERIA

for which U.S. Patent Application No. 15/442,695 was filed on February 26, 2017 and International Patent Application No. PCT/US2017/019552 was filed on February 25, 2017;

And whereas, the "Assigned Property" shall mean (i) the above-identified patent application (the "Application"), (ii) all inventions disclosed in the Application, (iii) any and all patent applications throughout the world directed to the subject matter of the Application, including, but not limited, to provisional, non-provisional, international (Patent Cooperation Treaty), continuation, continuation-in-part, division, and reissue applications in the United States or any foreign country, (iv) the right of priority arising from the Application or such other patent applications, under the Paris Convention for the Protection of Industrial Property or under relevant laws, treaties, conventions, or bilateral and multilateral agreements, in any jurisdiction, (v) any and all patents throughout the world resulting from the Application or such other patent applications, and (vi) any and all claims against third parties in connection with any of the rights assigned herein;

And whereas, LanzaTech New Zealand Limited, a New Zealand company registered under Company No. 1595696 and having a mailing address of 8045 Lamon Avenue, Suite 400, Skokie, IL 60077, USA, its successors, and assigns (hereinafter individually and collectively referred to as "Assignee"), are desirous of acquiring Assignor's entire right, title, and interest in and to and resulting from the Assigned Property and, in general, all property rights included therein;

Now, therefore, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, Assignor does hereby irrevocably and unconditionally assign and transfer unto Assignee Assignor's entire right, title, and interest in and to and resulting from the Assigned Property; Assignee hereby accepts such transfer and assignment;

And Assignor furthermore authorizes Assignee, or anyone it may properly designate, to insert herein the filing date and application number of the Application when known;

And Assignor agrees, upon request of Assignee, and without further remuneration, but at no expense to Assignor, that Assignor or Assignor's heirs, executors, or administrators will provide all reasonable assistance to obtain, maintain, and assert the fullest measure of legal protection that Assignee desires to obtain, maintain, and assert for the Assigned Property, including executing any and all papers desired by Assignee for the filing and granting of patent rights in the Assigned Property, the perfecting of title, and the enforcing of any rights in the Assigned Property.

This Assignment is executed by and shall be binding upon Assignor and Assignor's heirs, executors, and administrators, for the uses and purposes above set forth and referred to herein and shall inure to the benefit of Assignee or anyone it may properly designate.

If any provision of this Assignment is held by any court to be unenforceable, such provision shall be interpreted to accomplish the objectives of the original provision to the fullest extent allowed by law and the remainder of this Assignment shall remain in full force and effect.

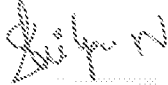
This Assignment shall be construed, governed, interpreted and applied in accordance with the laws of the State of Delaware, United States of America.

**EXECUTED** on behalf of Assignee and effective as of the latest date of Assignor signature(s) below:



Jennifer Holmgren  
Chief Executive Officer  
LanzaTech New Zealand Limited

**EXECUTED** as of the date(s) set forth below on behalf of Assignor:

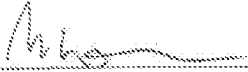


Shilpa NAGARAJU

Date

5/9/2017

MM-DD-YYYY



Michael KOEPKE

Date

5/9/2017

MM-DD-YYYY